

Claims

1. Admission control method in a telecommunications network,
characterized in that
5 in the method,
 - a bearer request is tested with a test of a first kind, and
 - said bearer request is tested with a test of a second kind,

said test of said second kind monitoring especially bearers which present to the
network a load which exceeds a predefined treshold,
10 the admission of said bearer request being dependent on the results of both said test
of said first kind and said test of said second kind.
2. Admission control method according to claim 1, **characterized in that** said test
of a first kind is based on statistical properties of bearers.
15
3. Admission control method according to claim 1, **characterized in that** in said
test of a second kind the number of currently existing high load bearers is compared
to a predefined treshold.
- 20 4. Admission control method according to claim 1, **characterized in that** in said
test of a second kind the sum of bit rates of currently existing high load bearers and
of the requested bearer is compared to a predefined treshold.
- 25 5. Admission control method according to claim 1, **characterized in that** the
admission criteria of said test of said first kind are changed according to the results
of said test of said second kind.
- 30 6. Admission control method according to claim 5, **characterized in that** an
admission treshold of said test of said first kind is changed by a predefined step, if
at least one high load bearer exists already.
- 35 7. Admission control method according to claim 6, **characterized in that** an
admission treshold of said test of said first kind is changed by a second predefined
step for each high load bearer existing already.
8. Network element for a telecommunications network, **characterized in that** the
element comprises

- means for testing a bearer request according to a test of a first kind and for producing a first test result,
- means for testing a bearer request according to a test of a second kind and producing a second test result, and
- 5 - means for deciding about admission of the bearer on the basis of said first and second test result.

9. Network element for a cellular telecommunications network according to claim 8, **characterized** in that the network element is a radio network controller.